

ABSTRACT OF THE DISCLOSURE

A portable computer with a desktop type processor. The portable computer further includes a power management controller and a clock generator. The power management controller judges the type of power supply used by the portable computer. The clock generator is coupled to the power management controller and the desktop type processor respectively, and outputs a clock signal based on a control signal from the power management controller and a judge signal from the desktop type processor so as to determine an operational frequency and an operational voltage of the desktop type processor.